

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121222\
 Data File : VN075730.D
 Acq On : 12 Dec 2022 22:04
 Operator : JC\MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 12/13/2022
 Supervised By : Mahesh Dadoda 12/13/2022

Quant Time: Dec 13 05:25:54 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N120922W.M
 Quant Title : SW846 8260
 QLast Update : Mon Dec 12 07:54:35 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	8.230	168	222760	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	354633	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	325169	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	158878	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	129303	54.707	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 109.420%			
35) Dibromofluoromethane	8.171	113	117704	54.400	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 108.800%			
50) Toluene-d8	10.571	98	447570	55.082	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 110.160%			
62) 4-Bromofluorobenzene	12.853	95	155253	55.883	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 111.760%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.136	85	84261	51.430	ug/l	97
3) Chloromethane	2.377	50	96969	49.676	ug/l	99
4) Vinyl Chloride	2.524	62	120565	50.282	ug/l	100
5) Bromomethane	2.948	94	102197	50.043	ug/l	96
6) Chloroethane	3.118	64	89700	50.139	ug/l	100
7) Trichlorofluoromethane	3.506	101	182365	52.420	ug/l	97
8) Diethyl Ether	3.971	74	68176	53.604	ug/l	97
9) 1,1,2-Trichlorotrifluo...	4.377	101	103572	50.729	ug/l	99
10) Methyl Iodide	4.600	142	172915	51.827	ug/l	99
11) Tert butyl alcohol	5.536	59	87973	251.597	ug/l	100
12) 1,1-Dichloroethene	4.353	96	100898	52.872	ug/l	99
13) Acrolein	4.189	56	131125	325.610	ug/l	99
14) Allyl chloride	5.036	41	118419	49.830	ug/l	100
15) Acrylonitrile	5.730	53	243884	270.030	ug/l	100
16) Acetone	4.442	43	182785	228.359	ug/l	98
17) Carbon Disulfide	4.724	76	254617	50.423	ug/l	97
18) Methyl Acetate	5.036	43	124179	48.281	ug/l	98
19) Methyl tert-butyl Ether	5.806	73	351465	54.751	ug/l	98
20) Methylene Chloride	5.289	84	117115	49.081	ug/l	98
21) trans-1,2-Dichloroethene	5.794	96	110943	52.022	ug/l	94
22) Diisopropyl ether	6.683	45	307019	56.781	ug/l	97
23) Vinyl Acetate	6.612	43	1172723m	284.428	ug/l	
24) 1,1-Dichloroethane	6.577	63	193737	54.432	ug/l	99
25) 2-Butanone	7.488	43	302122	258.200	ug/l	95
26) 2,2-Dichloropropane	7.500	77	156394	51.521	ug/l	98
27) cis-1,2-Dichloroethene	7.494	96	135354	52.280	ug/l	97
28) Bromochloromethane	7.818	49	79744	56.036	ug/l	100
29) Tetrahydrofuran	7.841	42	195570	271.166	ug/l	99
30) Chloroform	7.971	83	216488	54.914	ug/l	95
31) Cyclohexane	8.265	56	174840	49.963	ug/l	99
32) 1,1,1-Trichloroethane	8.177	97	199864	54.951	ug/l	99
36) 1,1-Dichloropropene	8.377	75	160116	55.731	ug/l	99
37) Ethyl Acetate	7.571	43	126057	54.648	ug/l	98
38) Carbon Tetrachloride	8.365	117	177911	53.663	ug/l	96
39) Methylcyclohexane	9.606	83	202317	55.534	ug/l	97
40) Benzene	8.612	78	479359	54.367	ug/l	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.783	41	68577	57.979	ug/l	96
42) 1,2-Dichloroethane	8.677	62	157952	53.552	ug/l	99
43) Isopropyl Acetate	8.694	43	218036	56.619	ug/l	99
44) Trichloroethene	9.359	130	132888	53.424	ug/l	99
45) 1,2-Dichloropropane	9.624	63	115131	54.902	ug/l	95
46) Dibromomethane	9.712	93	87171	55.368	ug/l	99
47) Bromodichloromethane	9.888	83	173512	56.209	ug/l	95
48) Methyl methacrylate	9.682	41	99445	56.069	ug/l	100
49) 1,4-Dioxane	9.700	88	45702	1060.035	ug/l	99
51) 4-Methyl-2-Pentanone	10.447	43	665138	280.110	ug/l	100
52) Toluene	10.629	92	326401	56.007	ug/l	98
53) t-1,3-Dichloropropene	10.841	75	178067	58.407	ug/l	95
54) cis-1,3-Dichloropropene	10.318	75	191698	56.516	ug/l	97
55) 1,1,2-Trichloroethane	11.018	97	126168	55.061	ug/l	98
56) Ethyl methacrylate	10.876	69	181107	58.330	ug/l	100
57) 1,3-Dichloropropane	11.165	76	207158	55.934	ug/l	98
58) 2-Chloroethyl Vinyl ether	10.165	63	250946	273.739	ug/l	100
59) 2-Hexanone	11.200	43	483613	280.329	ug/l	99
60) Dibromochloromethane	11.365	129	143799	57.030	ug/l	100
61) 1,2-Dibromoethane	11.471	107	129582	53.977	ug/l	99
64) Tetrachloroethene	11.106	164	115153	48.618	ug/l	98
65) Chlorobenzene	11.894	112	352768	52.727	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.965	131	134702	55.338	ug/l	99
67) Ethyl Benzene	11.965	91	629656	55.632	ug/l	99
68) m/p-Xylenes	12.071	106	509023	111.305	ug/l	100
69) o-Xylene	12.400	106	250198	56.378	ug/l	98
70) Styrene	12.412	104	413437	58.086	ug/l	99
71) Bromoform	12.582	173	104500	56.637	ug/l #	99
73) Isopropylbenzene	12.700	105	653652	57.299	ug/l	99
74) N-amyl acetate	12.494	43	203897	61.515	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.941	83	180446	52.657	ug/l	99
76) 1,2,3-Trichloropropane	12.994	75	136554m	42.798	ug/l	
77) Bromobenzene	12.982	156	157058	54.746	ug/l	99
78) n-propylbenzene	13.041	91	749469	59.206	ug/l	99
79) 2-Chlorotoluene	13.129	91	433659	55.490	ug/l	99
80) 1,3,5-Trimethylbenzene	13.176	105	551242	57.798	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.741	75	51549	52.497	ug/l	98
82) 4-Chlorotoluene	13.129	91	433659	55.490	ug/l	99
83) tert-Butylbenzene	13.441	119	488519	56.483	ug/l	99
84) 1,2,4-Trimethylbenzene	13.488	105	548791	57.251	ug/l	100
85) sec-Butylbenzene	13.617	105	687934	57.857	ug/l	100
86) p-Isopropyltoluene	13.735	119	578814	58.179	ug/l	100
87) 1,3-Dichlorobenzene	13.735	146	287153	53.522	ug/l	99
88) 1,4-Dichlorobenzene	13.817	146	285377	52.293	ug/l	100
89) n-Butylbenzene	14.059	91	465001	58.315	ug/l	100
90) Hexachloroethane	14.335	117	100619	59.045	ug/l	96
91) 1,2-Dichlorobenzene	14.106	146	280457	52.533	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.723	75	30811	54.716	ug/l	97
93) 1,2,4-Trichlorobenzene	15.394	180	142678	55.666	ug/l	99
94) Hexachlorobutadiene	15.506	225	72364	49.760	ug/l	98
95) Naphthalene	15.647	128	424378	56.020	ug/l	99
96) 1,2,3-Trichlorobenzene	15.841	180	136045	54.018	ug/l	98

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(#) = qualifier out of range (m) = manual integration (+) = signals summed

